

2004 Water Quality Assessment (Final) - Category 5 Listings for WRIA 39

WRIA	Listing ID	Category	98 List?	Waterbody Name	Location Information					Parameter	Medium	Remarks
				Basis								
39	8343	5	Y	BIG CREEK	OY16AG	2.03	20N	14E	29	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
				Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.								
39	8345	5	Y	CABIN CREEK	CX24KB	0	20N	13E	09	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
				Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wenatchee National Forest between 1989 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .								
39	8347	5	Y	CLE ELUM RIVER	XN92GU	12.635	20N	14E	10	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
				26 excursions beyond the criterion at the mouth to Cle Elum Lake sampled by Wenatchee National Forest in 1993 (submitted by Bella Patheal of EPA on 12/1/95) .								
39	39335	5	N	CLE ELUM RIVER	XN92GU	25.268	22N	14E	32	Temperature	Water	
				Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Cle Elum River abv French Cabin Creek' (River Mile 0.5).								
39	8350	5	Y	COOKE CREEK	SZ58XV	3.353	17N	19E	11	Dissolved oxygen	Water	During the assessment of data it was determined that WQ Policy 1-11 (updated 9/03) was overly restrictive for the number of years of data excursions needed to list for D.O. impairments . Based on a review of monitoring studies for DO statewide, it was determined that multiple (3 or more) excursions for at least two years of monitoring should be used as an alternative indicator that a waterbody continues
				Joy, 1988. 2 excursions beyond the criterion at Cooke Creek RM 0.8 on 8/18/87 and 8/19/87.								
				Department of Ecology unpublished data from EMAP station WA798S (COOKE CREEK (WA798S)) shows excursions beyond the criterion from measurements made in 1994.								be impaired. (Braley, ECY/WQP, 2003)

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39	8349	5	Y	COOKE CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	SZ58XV	24.145	19N	20E	20	Temperature	Water	TRS was 19N-20E-19 on 1998 list. -kk Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	35358	5	N	COOKE CREEK Kittitas County Conservation District unpublished data (submitted by Greg Bohn (CRO) on 6 March 2003) show excursions beyond the criterion from measurements collected in 1999, 2000 and 2002 at station CK-5 (Cooke Creek at South Ferguson Road).	SZ58XV	0	17N	19E	21	Temperature	Water	
39	8352	5	Y	COOPER RIVER 21 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	WX84IT	0	22N	14E	16	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	6924	5	N	CURRIER CREEK U.S. Bureau of Reclamation station YAV328 (Currier Creek at North Branch Canal) shows a geometric mean of 1018 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 8 samples collected during 1999.	YA42PC	11.722	19N	18E	26	Fecal Coliform	Water	
39	8355	5	Y	GALE CREEK 31 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	RZ54RL	0	22N	13E	32	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8357	5	Y	IRON CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	YW62RW	0.059	21N	17E	03	Temperature	Water	Errantly listed as Category 4B, returned to Category 5. This Iron Creek is not the Iron Creek associated with Yellowjacket Creek, Greenhorn Creek, Iron Creek, and Woods Creek Quality Restoration Plan (2004). 01/05/05 -kk
39	43128	5	N	KEECHELUS LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Mountain Whitefish composite samples collected on 08/20/2001 at location (N.E. End Near Inlet).	345ZAS	21N	11E	12		Dioxin	Tissue	

Water

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39	43146	5	N	KEECHELUS LAKE USEPA National Lake Fish Tissue Study shows an excursion beyond the National Toxics Rule criterion in Mountain Whitefish composite samples collected on 08/20/2001 at location (N.E. End Near Inlet).	345ZAS	21N	11E	12	Total PCBs		Tissue
39	8358	5	Y	LOG CREEK 8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest between 1989 and 1990 (submitted by Bella Patheal of EPA on 12/1/95) .	SP21BV	0	20N	13E	19	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8359	5	N	LOOKOUT CREEK Matthews (1992) show a 7-day mean of daily maximums of 18.6 during 1990-1991.	HI56TE	0	19N	14E	21	Temperature	Water
39	8360	5	Y	MANASTASH CREEK, S.F. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 18 excursions beyond the criterion in 1994.	WW44PW	0	17N	17E	17	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8361	5	Y	MANASTASH CREEK, S.F. Numerous excursions beyond the criterion sampled at the National Forest Boundary by Wenatchee National Forest in 1992 and 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	WW44PW	14.54	18N	15E	36	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8362	5	Y	MEADOW CREEK 12 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .	CL02YY	1.251	21N	11E	13	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	7315	5	Y	NANEUM CREEK Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992.	MA29CN	27.456	19N	19E	03	Temperature	Water Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	6921	5	N	REECER CREEK U.S. Bureau of Reclamation station YAV330 (Reecer Creek at North Branch Canal) shows a geometric mean of 907 exceeds the criterion and that 100% of the samples exceeds the percentile criterion from 5 samples collected during 1999.	HE34CQ	13.434	19N	18E	28	Fecal Coliform	Water

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39	34864	5	N	SELAH DITCH	UNK000	0	00U	000U	00	Fecal Coliform	Water	WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk
	Joy, 1990. show a geometric mean of 830 cfu/100mL from 2 samples collected in October 1988, and both samples exceed the percentile criterion.											
	34865	5	N	SELAH DITCH	UNK000	0	00U	000U	00	Temperature	Water	WASWIS ID changed to UNK000 from DV19FG. TRS=13N-18E-01. 12/10/04 -kk
	Joy, 1990. show excursions beyond the criterion from samples collected in October 1988.											
	numerous											Data submitted by G. Bohn ECY/CRO 2003 shows
												excursions during TMDL-related study conducted August 01-November 02.
	7319	5	Y	SWAUK CREEK	EQ32WA	16.869	20N	17E	03	Temperature	Water	TRS was 20N-17E-01 on 1998 list. -kk
Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between 1990 and 1992.											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	7320	5	Y	SWAUK CREEK	EQ32WA	13.397	20N	17E	15	Temperature	Water	Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
Yakama Indian Nation Tribal data (submitted by Carrol Palmer on8/10/93) show multiple excursions beyond the criterion between1990 and 1992.												
39	39337	5	N	SWAUK CREEK	EQ32WA	21.768	21N	17E	22	Temperature	Water	
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Swauk Creek at Mineral Springs' (River Mile 13.5).												
39	7321	5	Y	TANEUM CREEK	WF36AI	0.577	18N	17E	04	Temperature	Water	
31 excursions beyond the criterion sampled at National Forest Boundary by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	39338	5	N	TANEUM CREEK	WF36AI	12.945	19N	16E	28	Temperature	Water	
Okanogan and Wenatchee National Forest unpublished data (submitted by Sonny O'Neal on 17 January 2003) show excursions beyond the criterion from measurements collected in 2000, 2001 and 2002 at station 'Taneum Creek at Taneum CG' (River Mile 8.5).												

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39	7322	5	Y	TANEUM CREEK, S.F.	WJ69FI	1.047	19N	15E	27	Temperature	Water	8 excursions beyond the criterion sampled at the mouth by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95). Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8365	5	Y	THORP CREEK	WA85GA	3.897	22N	13E	25	Temperature	Water	Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96)show 5 excursions beyond the criterion in 1995. Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	8368	5	Y	WILLIAMS CREEK	BI77WY	1.621	20N	17E	02	Temperature	Water	Yakama Indian Nation Tribal data (submitted by Carrol Palmer on 8/10/93) show multiple excursions beyond the criterion between1990 and 1992. Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.
39	10047	5	N	WILSON CREEK	PY59BF	1.493	17N	19E	30	Fecal Coliform	Water	Joy (2002). Station YAK-48 (WILSON CR (WILSON)) shows the geometric mean of 161 exceeds the criterion and that 50% of the samples exceeds the percentile criterion from 10 samples collected during 1999.
39	8346	5	Y	WILSON CREEK	PY59BF	1.493	17N	19E	30	Temperature	Water	Joy (2002) station 17-WIL (WILSON CR AT CANYON RD) shows 4 excursions beyond the criterion measured on these dates: 99/06/15, 99/06/15, 99/07/12, 99/07/12, 99/07/26, 99/07/26, 99/08/10, 99/08/10, Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39C070 (Wilson Cr @ Thrall) shows 0 excursions beyond the criterion out of 9 samples collected between 1993 - 2001 Johnson (2000) station 17-WIL (WILSON CR AT CANYON RD) shows 0 excursions beyond the criterion out of 6 samples collected between 03/99 - 01/00. Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 4 excursions beyond the criterion in 1995.
39	8369	5	Y	WILSON CREEK	PY59BF	1.493	17N	19E	30	Temperature	Water	Yakama Indian Nation data (submitted by Carroll Palmer on 2/28/96) show 7 excursions beyond the criterion in 1995. Joy (2002) station YAK-48 (WILSON CR (WILSON)) shows 4 excursions beyond the criterion measured on these dates: 99/06/14, 99/07/28, 99/08/09, 99/08/24, excursions from continuous monitoring.

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				Basis								
39	20182	5	N	YAKIMA RIVER	EB21AR	229.12	16N	19E	20	Chlordane		Tissue
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374730.		7						
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374731.								
				EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374732.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797.								
				EVS Environmental Consultants (2000) show no excursions beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798.								
39	34889	5	N	YAKIMA RIVER	EB21AR	229.12	16N	19E	20	Dioxin		Tissue
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374731.		7						
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374796.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374798.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49- sample #96374797.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374730.								
				EVS Environmental Consultants (2000) show excursions beyond the National Toxic Rule criterion from a Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49- sample #96374732.								
39	11225	5	Y	YAKIMA RIVER	EB21AR	310.31	20N	14E	36	Dissolved oxygen		Water
				Hallock (2003), Dept. of Ecology ambient station 39A090 shows a total of 5 samples in years 2002 and 2003 exceeded the criterion.		9						
				Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A090 (YAKIMA RIVER NEAR CLE ELUM) shows 8 excursions beyond the criterion out of 41 samples collected between 1993 - 2001 measured on these dates: 00/08/14, 00/09/04, 95/07/09, 95/08/06, 95/09/04, 96/07/07, 96/08/04, 97/09/15.								

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				Basis								
39	11218	5	N	YAKIMA RIVER	EB21AR	198.09 6	14N	19E	30	pH		Water
Hallock (2004), Dept. of Ecology ambient station 39A050 shows that 2 of 8 samples exceed the criterion.											High pH	
Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A050 (YAKIMA R @ HARRISON BRIDGE) shows 4 excursions beyond the criterion out of 11 samples collected between 1993 - 2001.												
39	3727	5	Y	YAKIMA RIVER	EB21AR	310.31 9	20N	14E	36	Temperature		Water
Dept. of Ecology unpublished data from core ambient monitoring station 39A090 (Yakima R. near Cle Elum) shows a 7-day mean of daily maximum values of 20.9 for mid-week 14 August 2001.; Hallock (2001) Dept. of Ecology Ambient Monitoring Station 39A090 (YAKIMA RIVER NEAR CLE ELUM) shows 1 excursions beyond the criterion out of 41 samples collected between 1993 - 2001												
Joy (2002) station 39A090 (Yakima R. near Cle Elum) shows 0 excursions beyond the criterion out of 17 samples collected between 04/99 - 11/99.												
39	8370	5	Y	YAKIMA RIVER	EB21AR	330.41 1	20N	13E	10	Temperature		Water
30 excursions beyond the criterion sampled at the mouth to Lake Easton by Wenatchee National Forest in 1994 (submitted by Bella Patheal of EPA on 12/1/95) .											Continuous temperature measurements were taken, but results reported as single day maximums. Category 5 listing is continued from 1998 assessment based on multiple excursions from continuous monitoring.	
39	20219	5	N	YAKIMA RIVER	EB21AR	229.12 7	16N	19E	20	Total PCBs		Tissue
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374796.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374797.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Largescale Sucker composite of 5 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374798.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374730.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374731.												
EVS Environmental Consultants (2000) show an excursion beyond the National Toxic Rule criterion from Rainbow Trout composite of 7 fillet with skin collected in 1996 at station 49-0 (River Mile 140.4) sample #96374732.												

